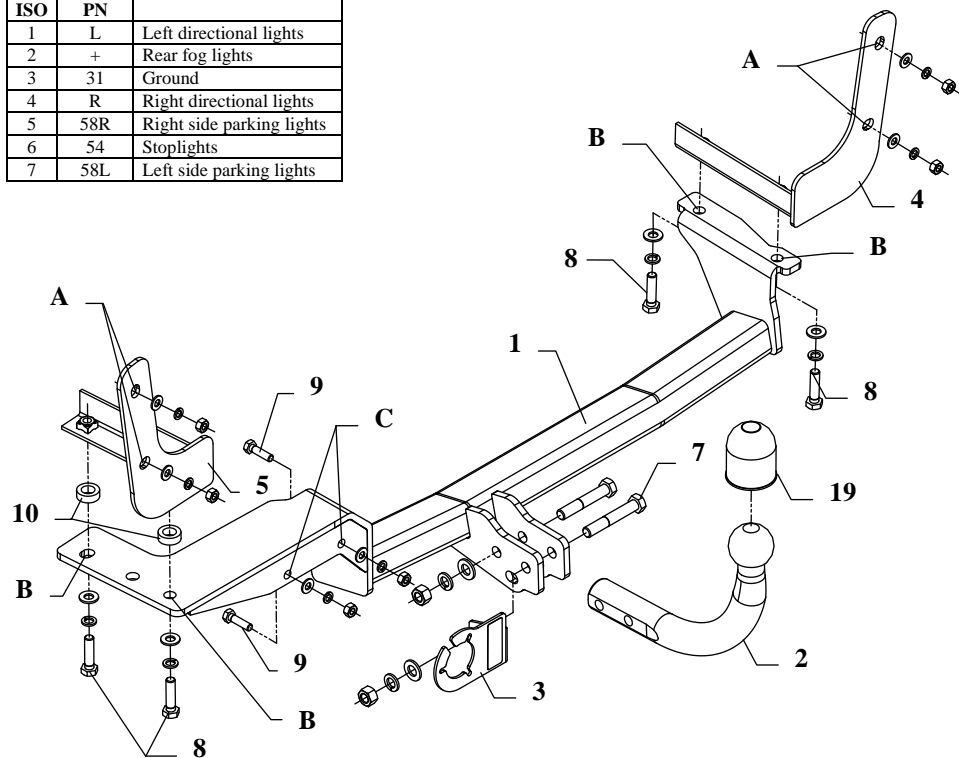


## FITTING INSTRUCTION

Clamp mark in acc. with		Cables joining
ISO	PN	
1	L	Left directional lights
2	+	Rear fog lights
3	31	Ground
4	R	Right directional lights
5	58R	Right side parking lights
6	54	Stoptights
7	58L	Left side parking lights



This towbar is designed to assembly in following car:  
**VOLKSWAGEN POLO 3/5 door (6N1)**, produced since 09.1994 till 09.1999, catalogue no. **K21** and is prepared to tow trailers max total weight **1400 kg** and max vertical load **50 kg**.

### *From manufacturer*

Thank you for buying our product. Their reliability has been confirmed in many tests. Reliability of towbar depends also on correct assembly and right operation. For this reasons we kindly ask to read carefully this instruction and apply to hints.

*The towbar should be install in points described by a car producer.*

## The instruction of the assembly

- Reassemble metal or plastic bumper (depending on car version).  
**NOTE:** In the event of metal bumper it is necessary to remove rivets in left and right overwheel.
- Get the muffler lower.
- In rear part make holes (show cuts). You must make way into the chassis members.
- To made holes slide side brackets (pos. 4 and 5) and through holes (pos. A) fix loosely using nuts M8.
- Put the main bar of the towbar (pos. 1) to the chassis members. Holes (pos. B) should agree to factory made holes in chassis members. Fix using bolts M10x40mm (pos. 8).  
**NOTE:** Before fix from the left side put distance sleeves  $\varnothing 25 \times 13 \text{mm}$ , Length=9mm (pos. 10) from accessories.
- Fix all bolts according to the torque shown in the table.
- Through holes (pos. C) fix the muffler using bolts M8x30mm (pos. 9) from accessories.
- Assemble the bumper. In the event of metal bumper you should rivet it using rivets (pos. 6) from accessories.
- Fix tow-ball (pos. 2) and the socket plate (pos. 3) using bolts M12x75mm (pos. 7) from accessories.
- Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
- Supplement the paint coating damaged during assembly.

Torque settings for nuts and bolts (8,8):

<b>M6</b> - 11 Nm	<b>M 8</b> - 25 Nm	<b>M 10</b> - 50 Nm
<b>M 12</b> - 87 Nm	<b>M 14</b> - 138 Nm	<b>M16</b> - 210 Nm

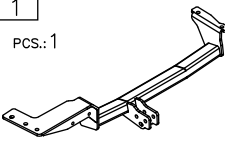






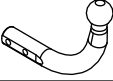
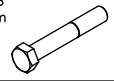










### NOTE

After install the towbar you should get adequate note in registration book (at authorised service station).The car should be equipped with:

- Indicators
- Tow mirrors

After 1000km of exploitation check all bolts and nuts. The ball of towbar must be always kept clear and conserve with a grease.

## Towbar accessories:

Pos. 1 Main bar PCS.: 1 	Pos. 5 Left bracket PCS.: 1 	Pos. 10 Distance sleeve ø25xø13mm L=9mm PCS.: 2 	Pos. 15 Spring washer ø10,2mm PCS.: 4 
	Pos. 6 Rivet PCS.: 4 	Pos. 11 Plain washer ø13mm PCS.: 2 	Pos. 16 Spring washer ø8,2mm PCS.: 6 
Pos. 2 Tow ball PCS.: 1 	Pos. 7 Bolt 8,8 B M12x75mm PCS.: 2 	Pos. 12 Plain washer ø10,5mm PCS.: 4 	Pos. 17 Nut 8 B M12 PCS.: 2 
Pos. 3 Socket plate PCS.: 1 	Pos. 8 Bolt 8,8 B M10x40mm PCS.: 4 	Pos. 13 Plain washer ø8,5mm PCS.: 6 	Pos. 18 Nut 8 B M8 PCS.: 6 
Pos. 4 Right bracket PCS.: 1 	Pos. 9 Bolt 8,8 B M8x30mm PCS.: 2 	Pos. 14 Spring washer ø12,2mm PCS.: 2 	Pos. 19 Ball cover PCS.: 1 



**PPUH AUTO-HAK Sp.J.**

Produkcja Zaczepów Kulowych  
Henryk & Zbigniew Nejman  
76-200 SŁUPSK ul. Słoneczna 16K  
tel/fax (059) 8-414-414; 8-414-413  
E-mail: [office@autohak.com.pl](mailto:office@autohak.com.pl)  
[www.autohak.com.pl](http://www.autohak.com.pl)

## Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **K21**

Designed for:

Manufacturer: **VOLKSWAGEN**

Model: **POLO**

Type: **3-5 door (6N1)**

produced since 09.1994 till 09.1999

Technical data:

**D-value: 6,35 kN**

maximum trailer weight: **1400 kg**

maximum vertical cup load: **50 kg**

**Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 1055**

## Foreword

This towbar is designed according to rules of safety traffic regulations. The towing hitch is a safety component and can be install only by qualified personnel. Any alteration or conversion of the towing hitch is prohibited and would lead to cancellation of design certification. Remove insulating compound and underseal from vehicle (if present) in the area of the matting surfaces of the towing hitch.

The vehicle manufacturer's specifications regarding trailer load and max. vertical cup load are decisive for driving, and values for the towing hitch cannot be exceeded.

*D-value formula:*

$$\frac{\text{Max trailer weight [kg]} \times \text{Max vehicle weight [kg]}}{\text{Max trailer weight [kg]} + \text{Max vehicle weight [kg]}} \times \frac{9,81}{1000} = D \text{ [kN]}$$